

CLAIMS

1. A delay-locked loop circuit (200), comprising input means (210) for a signal that is to be delayed, said input means comprising means for splitting said input signal into a first and a second branch, where the signal in the first branch is connected to a component (220) for delaying the signal and the signal in the second branch is used as a non-delayed reference for the delay caused by the delay component in the first branch, characterized in that the delay component (220) is a passive tunable delay line, with the circuit comprising tuning means (230) for the tunable delay line, said tuning means being affected by said reference signal, and with the first branch comprising output means for outputting a delayed signal with a chosen phase delay.
2. The circuit of claim 1, in which the delay component (220) is continuously tunable.
3. The circuit of claim 1 or 2, in which the delay component (220) is a passive component.
4. The circuit of claim 1, 2 or 3, in which the delay component (220) is a tunable ferroelectric delay line.
5. The circuit of any of claims 1-4, in which the second branch comprises a phase detector (250), by means of which the non-delayed signal of the second branch is compared to the delayed signal in the first branch at a point in the first branch where the delay to be caused by the delay component is known, the output signal from the phase detector (250) being used as a control signal for the tuning means for the delay component of the first branch.